

MILWAUKEE COUNTY AUTOMATED MAPPING AND LAND INFORMATION SYSTEM

DATA REQUISITION AND DISTRIBUTION GUIDELINES

BACKGROUND

The Milwaukee County Automated Mapping and Land Information System (MCAMLIS) is a public-private consortium begun in 1990 by and between Milwaukee County, the Milwaukee Metropolitan Sewerage District, AMERITECH, the Wisconsin Electric Power Company, and the Wisconsin Gas Company. A Steering Committee, comprised of representatives from each of the above entities plus representatives from the City of Milwaukee and the Intergovernmental Cooperation Council of Milwaukee County oversees all activities of the consortium.

MCAMLIS was formed to develop and maintain the automated mapping base essential for the creation of a modernized land information system for Milwaukee County. In so doing, MCAMLIS is overseeing implementation of the Milwaukee County land records modernization plan set forth in the Southeastern Wisconsin Regional Planning Commission's (SEWRPC) Community Assistance Planning Report No. 177, Feasibility Study for a Milwaukee County Automated Mapping and Land Information System. This plan, published in October 1989, was formally adopted by the Milwaukee County Board of Supervisors on February 15, 1990, and was approved by the Wisconsin Land Information Board on January 7, 1991. The mapping effort detailed in the County plan builds upon historic, coordinated base mapping efforts carried out by Milwaukee County, the Milwaukee Metropolitan Sewerage District, some of the cities and villages in the County, and the SEWRPC.

In December 1993, the Steering Committee executed a formal License Agreement pertaining to matters of copyright ownership and use of MCAMLIS derived data. With respect to mapping products, the License Agreement distinguishes between hard copy and digital mapped materials. Under the License Agreement, the Steering Committee has taken copyright title to all hard copy maps proposed under implementation of the adopted County plan. A Subcommittee of the Steering Committee, comprised of representatives of AMERITECH, the Wisconsin Electric Power Company, and the Wisconsin Gas Company, holds copyright title to the digital mapped materials derived from the MCAMLIS work program.

As refined in an implementation study completed in 1991, the MCAMLIS work program consists of the following:

- The completion of the location and remonumentation of all U. S. Public Land Survey corners in the County, including the centers of the sections.
- The completion of high-order horizontal and vertical control surveys to establish the State Plane Coordinates and elevations of the U. S. Public Land Survey corners.
- The completion of large-scale topographic base maps in hard copy and digital form at a scale of one inch equals 100 feet with two-foot contour intervals.
- The completion of companion cadastral maps to the topographic maps in hard copy and digital form at a scale of one inch equals 100 feet providing detailed information on the location and configuration of all real property boundaries, including the boundaries of all

- streets and public ways and other public land holdings; and assigning a parcel identification number (tax key number) to each ownership parcel to enable the linking of geographic with non-geographic data files.
- Street address data for all parcels in Milwaukee County.

All MCAMLIS mapping products are based upon the Wisconsin State Plane Coordinate System, South Zone (North American Datum of 1927) and referenced to the National Geodetic Vertical Datum of 1929. The automated base maps for the entire County are expected to be completed in December 1997.¹

DATA SHARING POLICY GUIDELINES AND PROCEDURES

As noted above, the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) program was created in response to the need for the development of an automated mapping base for use by Milwaukee County, the local units of government in Milwaukee County, and the private utilities comprising the Sub-committee of the MCAMLIS Steering Committee. At the outset, it was recognized that an infusion of monetary resources from the private sector was necessary to create an automated mapping base for the County in a timely fashion. In response to this need, WE Energies (formerly Wisconsin Gas Company and Wisconsin Electric Power Company), and SBC AMERITECH (formerly Wisconsin Bell) invested significant private capital in the MCAMLIS program.

In order to protect their investments, the private utility members of MCAMLIS have been granted the MCAMLIS copyright to the mapping base in its digital form. Nevertheless, the overall goal of the MCAMLIS program has been, and will continue to be, the construction of the automated mapping system that is consistent with the standards specified in the County plan, and to make the end products created as a result of the MCAMLIS program available to the widest possible range of users in a fair and efficient manner. Consistent with this cooperative spirit, the utilities holding the copyright to MCAMLIS digital data have agreed that monies generated as a result of the sale of MCAMLIS derived data to commercial entities--other than those commercial entities requesting data for non-commercial, internal use--are to be returned to the MCAMLIS budget, and used in the continued development of the MCAMLIS automated mapping base. The MCAMLIS program is not, and was not intended to be, a for profit venture. Accordingly, the Data Requisition and Distribution Guidelines presented herein are intended to embody a spirit of fair and reasonable access to the MCAMLIS data base.

¹ Excepted from this schedule is the completion to MCAMLIS digital mapping standards and format of cadastral maps for 355 U. S. Public Land Survey quarter sections lying wholly within the City of Milwaukee. The City of Milwaukee is expected to take steps to ensure that its digital cadastral maps fully meet MCAMLIS technical standards, including a topological structure. These maps, however, will have a different hardcopy format than the MCAMLIS maps and a different electronic data structure as well. Also excepted from this schedule are street address files.

The MCAMLIS Steering Committee and its Subcommittee have formulated the following policies attendant to the distribution and use of the copyrighted mapped data developed under the MCAMLIS program.

Accommodation of Requests

All requests for MCAMLIS data shall be made through the MCAMLIS Project Manager.

MCAMLIS Project Manager
Milwaukee County
Department of Parks and Public Infrastructure
2711 West Wells Street, Room 427
Milwaukee, Wisconsin 53208-3509
Telephone (414) 278-2176
Fax (414) 223-1982

Distribution and Use of Hard Copy Materials

It is the policy of the MCAMLIS Steering Committee to make available all MCAMLIS products in hard copy form at the cost of reproduction and distribution. This includes records of control survey stations and control survey summary diagrams, as well as the copyrighted topographic and cadastral maps. Hard copies of any of these materials may be ordered directly from the MCAMLIS Project Manager. A cost schedule for hard copy products, intended to cover the costs of reproduction, handling, and distribution, is attached as Exhibit A. All monies received by the MCAMLIS Project Manager under this section shall be retained by the MCAMLIS Program.

Any party obtaining hard copies of MCAMLIS copyrighted mapped data should be aware that unauthorized reproduction of the maps for use by others and/or conversion of the maps to electronic form is expressly prohibited and would constitute a copyright violation. Any party obtaining hard copy MCAMLIS copyrighted maps may use those maps to perform any of that party's functions and may incorporate those maps in reports and other published works prepared by or for that party.

Distribution and Use of Digital Materials

The Steering Committee and the Subcommittee have established a policy that distinguishes between the commercial and noncommercial use of the digital maps produced under the MCAMLIS program. Noncommercial use is defined to include the periodic internal use of selected digital mapping materials--not the entire digital mapping file--by private firms and individuals. For noncommercial purposes, it is the general policy of the MCAMLIS Steering Committee and the Subcommittee to make available duplicate copies of the copyrighted digital MCAMLIS maps only by full U. S. Public Land Survey quarter section subject to reimbursement of the cost of reproduction, handling, and distribution. Local units of government within or outside of Milwaukee County; State and Federal agencies; private firms and individuals requesting digital data for internal, noncommercial use; and nonprofit organizations may request

duplicate copies of the digital topographic and cadastral map files. Such requests should be directed to the MCAMLIS Project Manager.²

Current cost guidelines for obtaining such duplicate digital mapping files, intended to cover the costs of reproduction, handling, and distribution, are attached as Exhibit B. These guidelines reflect average costs associated with the reproduction, handling, and distribution of digital files as those files are presently stored. All monies received by the MCAMLIS Project Manager under this section will be retained by the MCAMLIS program as reimbursement for the actual expenses incurred.

Any party requesting duplicate digital files containing MCAMLIS copyrighted mapped data will be required to execute a license agreement in addition to paying for the costs of duplication set forth on Exhibit B. A copy of the license agreement is attached as Exhibit C. The license agreement provides the conditions under which the categories of noncommercial users described above may use the digital map data and prohibits the user from providing access to the data in digital form by a third party. The MCAMLIS Project Manager is to forward to the MCAMLIS Steering Committee Chairman for action in a timely manner all requests for a license to obtain and use the digital MCAMLIS mapping files. The Chairman will review the request for consistencies with the policies set forth herein. The Chairman will not unreasonably refuse to provide access to the digital materials where the intended use is for a governmental, educational, non-profit, or internal private purpose. The Chairman will make findings and act to approve or disapprove the request. The MCAMLIS Project Manager will then carry out the Chairman's direction with respect to each request. The Chairman shall report all requests for licenses and his determinations with respect thereto to the Steering Committee.

For commercial purposes, that is, where private firms or individuals seek to acquire all or substantially all of the digital files for internal or external use, it is the general policy of the MCAMLIS Steering Committee and Subcommittee to make available duplicate copies of the digital copyrighted MCAMLIS mapping files only in their entirety. The Steering Committee and the Subcommittee will consider requests for duplicate digital copyrighted files for commercial purposes on a case-by-case basis. Requests should be directed to the MCAMLIS Project Manager at the address noted above. The Project Manager will report all such requests to the Subcommittee for their consideration and determination. The Subcommittee will make findings and act to approve or disapprove the request. If the Subcommittee approves the request, the MCAMLIS Steering Committee will then also consider the matter and approve or disapprove the request. If either the Subcommittee or Steering Committee disapprove the request, it shall be denied. All actions to approve a request shall include the terms of a license agreement. The MCAMLIS Project Manager will then carry out the Subcommittee and Steering Committee's direction with respect to each request.

² Any requests for MCAMLIS derived digital map files for student use must be made by appropriate school officials on behalf of the students. The school officials must first enter into a license agreement with the Steering Committee. These school officials include deans, department chairmen, or equivalent administrative officers. The requester may then receive up to four U. S. Public Land Survey quarter-section map files free of charge. Requests for more than four quarter sections shall be handled in the same manner as provided above.

As a matter of general policy, it is the intent of the MCAMLIS Steering Committee and the Subcommittee to usually require any commercial entity requesting a duplicate copyrighted digital file of the MCAMLIS mapping data base to acquire that data base at a cost of \$520,000--representing the amount invested by each of the Utilities in the MCAMLIS program. The total amount will be paid directly to the MCAMLIS Steering Committee and will be used by that Committee in furtherance of the objectives of the MCAMLIS program. All commercial entities intending to acquire a duplicate digital file of the copyrighted MCAMLIS mapping data base for commercial purposes as defined above will be required to enter into a license agreement for the use of that data base. That license agreement--which will be generally based upon the standard license agreement set forth in Exhibit C, but which will be adapted on a case-by-case basis as directed by the Subcommittee and Steering Committee--will govern how, if at all, the commercial entity may provide access to the data in digital form by a third party and will provide for appropriate payment or payments.

Special Arrangements with the Cities of Milwaukee and West Allis

The Steering Committee and the Subcommittee anticipate entering into special arrangements with the Cities of Milwaukee and West Allis relative to the development, sharing, and use of the digital mapping data base. It is recognized that both cities have developed digital cadastral mapping files that, in part, meet the MCAMLIS mapping standards. Recognizing the desirability of enhancing those digital data bases to fully meet MCAMLIS mapping standards, the Steering Committee intends to negotiate special agreements with the Cities of Milwaukee and West Allis whereby the digital cadastral mapping files developed by those cities are enhanced under the MCAMLIS program to fully meet the MCAMLIS mapping standards. In the case of West Allis, it is proposed that enhancement efforts will extend to the standard MCAMLIS map format and digital data file structure. It is the intention of the MCAMLIS Steering Committee to seek State grants-in-aid in support of the enhancement effort. As a part of the projects that are to be formulated to carry out the enhancement efforts, it is expected that resources will be secured so as to permit the MCAMLIS program to provide duplicate digital topographic and cadastral mapping files to the Cities of Milwaukee and West Allis at no cost to those cities in recognition of the value to the MCAMLIS program of the digital cadastral maps prepared by the cities.

MCAMLIS DATA AVAILABILITY

The following represents the availability of MCAMLIS hard copy and digital data as of January 1, 2005:

- Records of control survey stations have been completed and are available for all U. S. Public Land Survey section and quarter section corners in the County.
- Control survey summary diagrams prepared for six-square-mile areas are available for the entire County.
- Hard copies of large-scale topographic base maps are available from MCAMLIS for all of the 996 quarter sections in Milwaukee County. Digital files of such topographic maps are also available for the 996 quarter sections in the County. This availability is summarized on the map attached as Exhibit D.
- Hard copies and digital files of cadastral maps are available from MCAMLIS for 928 of the 996 quarter sections in Milwaukee County. The remaining 68 quarter sections are scheduled to be completed under the MCAMLIS program. This availability is summarized on the map attached as Exhibit E.

- Street address data is available for all parts of the County except for the City of Milwaukee.

The status of availability of hard copy and digital map products under the MCAMLIS program is continually changing. Interested parties should contact the MCAMLIS Project Manager to inquire about the availability of additional products as time goes on.

* * *

Exhibit A

MCAMLIS HARDCOPY MATERIALS
DISTRIBUTION COST SCHEDULE FOR ALL USERS

Item	Geographic Unit of Coverage	Scale	Sheet Size	Unit Price
Record of Control Survey Station	One U.S. Public Land Survey Section or Quarter-Section Corner	Not Applicable	8.5" x 11"	\$ 1.00*
Control Survey Summary Diagram	Six Square-Miles	Not Applicable	17" x 11"	\$ 5.00*
Topographic Base Map	One U.S. Public Land Survey Quarter-Section	1" = 100' (2' Contour Interval)	36" x 36"	\$ 15.00
Cadastral Map	One U.S. Public Land Survey Quarter-Section	1" = 100'	36" x 36"	\$ 15.00

Plus shipping costs and sales taxes where applicable.

* Available for free download at <http://www.sewrpc.org/regionallandinfo/survey.shtm>

Source: MCAMLIS Project Manager; January 1, 2005

Exhibit B

MCAMLIS DIGITAL MATERIAL DISTRIBUTION
COST SCHEDULE FOR NON-COMMERCIAL USERS

Digital Format*	Topographic Base Map for One U.S. Public Land Survey Quarter-Section		Cadastral Map for One U.S. Public Land Survey Quarter-Section	
	One Quarter-Section	Each Additional Quarter Section**	One Quarter-Section	Each Additional Quarter Section**
ArcInfo Coverage	\$ 65.00	\$ 30.00	\$ 65.00	\$ 30.00
Microstation DGN	\$ 65.00	\$ 30.00	\$ 65.00	\$ 30.00
AutoCAD DWG/DXF	\$ 65.00	\$ 30.00	\$ 65.00	\$ 30.00

Plus shipping costs and sales taxes where applicable.

* The three digital formats included in the table are the most frequently used in the Southeastern Wisconsin. Delivery in other formats may not be feasible. Any party desiring to explore delivery in other formats will be expected to pay the costs entailed in determining the feasibility of such delivery.

** Ordered simultaneously with first quarter-section.

Source: MCAMLIS Project Manager; January 1, 2005

Exhibit C

MILWAUKEE COUNTY AUTOMATED MAPPING AND LAND INFORMATION SYSTEM

LICENSE AGREEMENT PERTAINING TO THE NON-COMMERCIAL USE OF COPYRIGHTED DIGITAL BASE MAPPING MATERIALS

WHEREAS, Ameritech, the Wisconsin Electric Power Company, and the Wisconsin Gas Company (hereinafter referred to as the "Utilities"), are the joint copyright owners of certain digital base mapping materials developed under the Milwaukee County Automated Mapping and Land Information System (hereinafter referred to as "MCAMLIS"); and

WHEREAS, the MCAMLIS program is presently being administered by the Milwaukee County Department of Parks and Public Infrastructure (hereinafter referred to as "County"), through an employee designated as the MCAMLIS Project Manager; and

WHEREAS, _____ a unit or agency of government, a not-for-profit organization, an educational institution, or a private firm or individual seeking MCAMLIS digital data for internal, non-commercial use, (hereinafter referred to as the "Requestor"), has filed a request with the MCAMLIS Project Manager to obtain duplicate files of the digital MCAMLIS copyrighted base mapping materials (hereinafter referred to as the "digital base maps"); and

WHEREAS, the Utilities are willing to permit the Requestor to obtain the digital base maps subject to the following conditions and understandings:

1. Subject to the limitations set forth below, the Utilities agree not to object to the Requestor using, reproducing, modifying, and/or displaying the digital base maps; preparing or distributing in non-digital form reports incorporating the base maps derived from the digital files; and distributing the base maps and reports in non-digital form to all parties concerned.
2. The Utilities agree not to object to the Requestor making duplicate copies of the digital base map files for its own internal use. Such files, however, are intended only for the use of the employees and agents of the Requestor; and the Requestor and its employees and agents are expressly prohibited from providing copies of the digital base map files to any other party.
3. The Requestor agrees to use the digital base maps only for noncommercial purposes; that is, for governmental and educational purposes and for private purposes when a private firm or individual periodically. Uses selected digital materials -- not the entire MCAMLIS digital files -- for internal use.
4. The Requestor agrees to hold the digital base map files in confidence and prevent any third party from having access to those files or to any materials in digital form derived

therefrom except as otherwise authorized by the Steering Committee and Sub-committee by special agreement with the Requestor.

5. The distribution or use of the digital base maps in violation of the foregoing provisions shall be deemed a copyright violation and shall automatically terminate all rights of the Requestor relative to the digital base maps or any materials derived therefrom.
6. The Requestor agrees to reimburse the County, if requested, in the amount set forth in the attached cost schedule in connection with obtaining a copy or copies of the digital base maps.
7. The Requestor understands that the digital base maps and materials are being provided AS IS, WITHOUT ANY WARRANTY BY THE UTILITIES AND THE MCAMLIS STEERING COMMITTEE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND WITHOUT ANY WARRANTY OF ACCURACY. The Requestor hereby agrees to indemnify, defend, and hold harmless the Utilities, the MCAMLIS Steering Committee, the County, and any other party to the MCAMLIS program and their subcontractors from any claims arising out of the Requestor's use of the digital base maps or any information or materials derived therefrom.
8. The Requestor understands that neither the Utilities nor the County has any obligation to supplement or update any of the digital base maps provided. Should, however, the Utilities or the County provide any updated digital base maps to the Requestor, such updated maps shall automatically be covered hereunder.
9. In the event that MCAMLIS derived hardcopy maps depicting the MCAMLIS copyright have been modified by Requestor, the Requestor shall describe such modification and depict the modification as clearly distinguishable from the original MCAMLIS base maps. The Requestor agrees not to misrepresent the MCAMLIS base maps, nor to state or imply that modifications made by Requestor were authorized by MCAMLIS.

AGREED TO:

Requestor: _____

By: _____ Date: _____
Utilities

By: _____ Date: _____

R.21 E.

R.22 E.

Exhibit D

MCAMLIS

Digital Topographic Mapping



Topographic Data is available
in Microstation DGN,
AutoCAD DWG and
ESRI data formats

T.8 N.

T.7 N.

T.6 N.

T.5 N.

R.21 E.

R.22 E.

R.23 E.

Brown Deer

River Hills

Bayside

Fox Point

Glendale

Whitefish
Bay

Shorewood

Wauwatosa

Milwaukee

West Milwaukee

West Allis

St. Francis

Greenfield

Hales Corners

Cudahy

Greendale

South Milwaukee

Franklin

Oak Creek

9

0 1 2 3
Miles

Source: MCAMLIS Project Manager
February, 2005

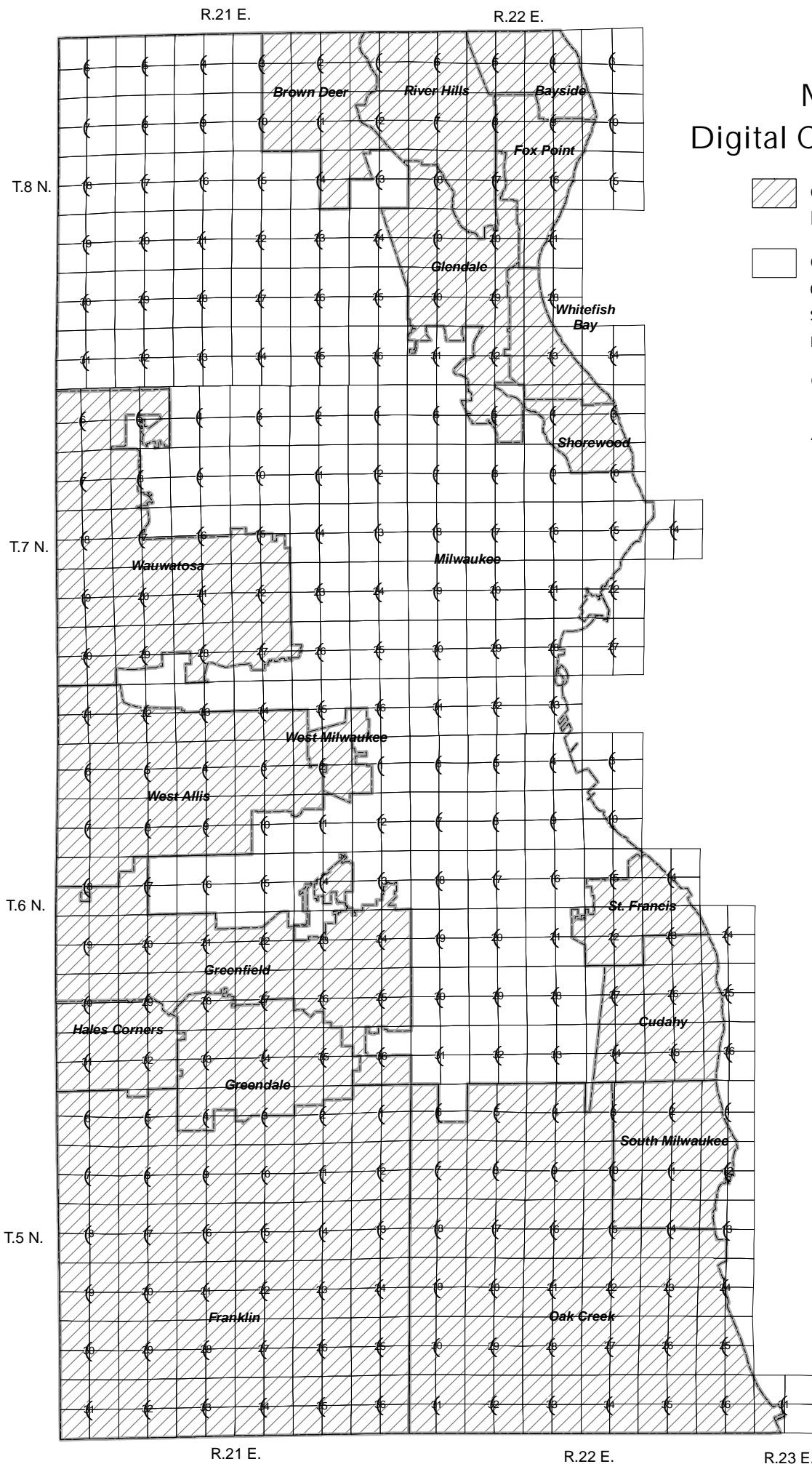


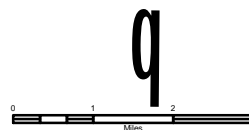


Exhibit E

MCAMLIS Digital Cadastral Mapping

-  County maintained MCAMLIS data
-  City of Milwaukee data converted to MCAMLIS specifications. Data is not maintained by County

Cadastral Data is available in Microstation DGN, AutoCAD DWG and ESRI data formats



Source: MCAMLIS Project Manager
February, 2005